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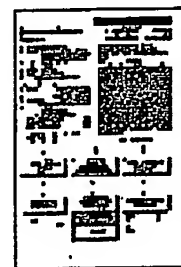
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Get Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: Create new Work File View: INPADOC | Jump to: Top Go to: Derwent☒ Email this to a friend**Title:** JP9227200A2: PRODUCTION OF INORGANIC BOARD**Derwent Title:** Manufacturing inorganic boards - comprises dispersing raw inorganic mixture of cement, fibre, and alkali-treated hollow filler, in water, then dewatering, laminating, moulding etc.. [\[Derwent Record\]](#)**Country:** JP Japan**Kind:** A (See also: [JP3265183B2](#))**Inventor:** NISHIZAWA KAZUhide;**Assignee:** NICHIIHA CORP[News, Profiles, Stocks and More about this company](#)**Published / Filed:** 1997-09-02 / 1996-02-28**Application Number:** JP1996000069119**IPC Code:** [C04B 28/02](#); [B28B 1/52](#); [B28B 3/02](#); [C04B 28/02](#);**ECLA Code:** [C04B28/02](#);**Priority Number:** 1996-02-28 JP1996000069119**Abstract:**

PROBLEM TO BE SOLVED: To improve the interlaminar adhesion between a multilayer mat and an inorganic board product to surely prevent their delamination by using a raw material mixture mainly comprising cement and a fiber material and in addition, inorganic hollow filler treated with alkali.

SOLUTION: A mixture of inorganic board raw materials mainly comprising cement and fibrous material and, in addition, alkali-treated inorganic hollow filler is dispersed in water to prepare a slurry. This slurry is subjected to fiber sheet-making and drained to form mats, then mats are laminated to a multilayer product and the laminated mat is molded and cured by aging. The inorganic hollow filler is preferably alkali-treated by dipping the filler in an aqueous alkali with a pH of ≥ 9 for ≥ 10 minutes under stirring. During the alkali treatment, a non-hollow inorganic powder (for example, calcium carbonate, tale or the like) is preferably admixed to the aqueous alkali solution.

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